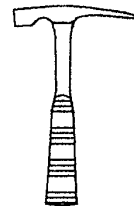


Thomas Giles

GEOLOGIST



MINED LAND USE PLAN CHRISTOPHER J. CONSTRUCTION, LLC. MARTVILLE MINE

APRIL 2015

CAYUGA COUNTY, TOWN OF STERLING

SUBMITTED BY:

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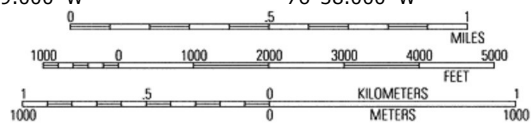
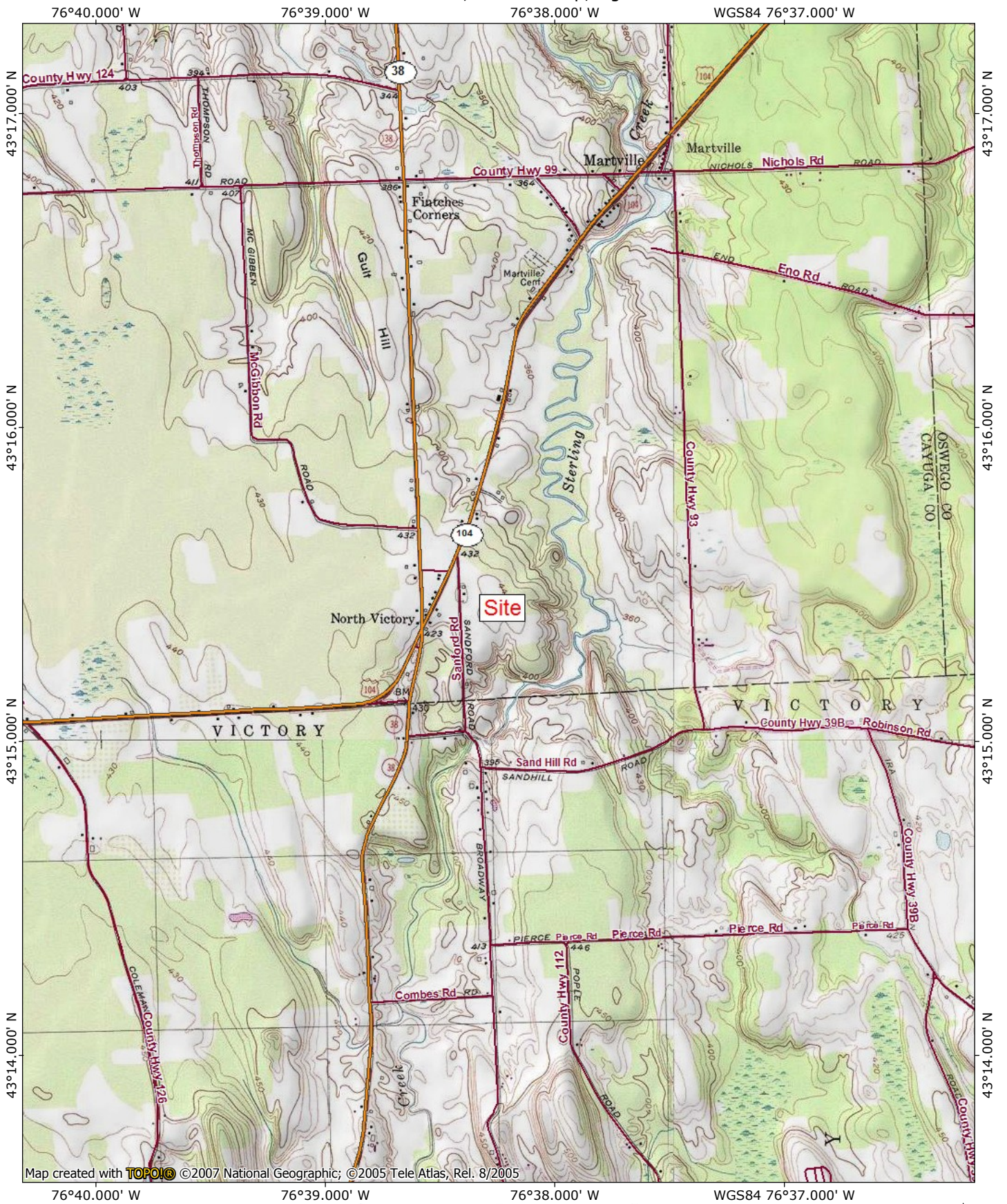
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Ferlito Martville, Location Map, Figure 1



MN TN
12°
05/02/14

Mined Land Use Plan
Christopher J. Construction, LLC.
Martville Mine
April 2015

INTRODUCTION:

This is the original Mined Land-Use Plan for the Christopher J. Construction, LLC. – Martville Mine in Cayuga County, Town of Martville. The property is owned by Christopher Construction, LLC. the proposed operator. Christopher Construction, LLC. is a firm engaged in construction and commercial aggregate production. Utilization of the sand and gravel would be profitable for Christopher Construction, Inc. and would benefit the local economy.

Acreage Summary

Area of Parcel	-	82.1	acres
Life of Mine Area	-	35.8	acres
Phase 1 Area	-	5.5	acres
Phase 2 Area	-	9.2	acres
Phase 3 Area	-	8.8	acres
Phase 4 Area	-	12.3	acres

LOCATION:

The site is located approximately thirteen miles west of Fulton, New York, on the east side of Sandford Road. The site can be found on the Fair Haven U.S.G.S. 7.5 minute topographic quadrangle; a location map is enclosed.

ADJACENT LAND USE FEATURES:

The site is in an agricultural, residential and commercial setting near farms, residences and businesses along Sandford Road. Sandford Road is rural with relatively light traffic.

The site property is bounded on the west by Sandford Road, north by vacant wooded land, east by Sterling Creek, and on the south by agricultural and residential land. Much of the adjacent property is rows of planted trees being used for lumber and forest products, and idle land no longer used for active farming.

EXISTING CONDITION OF LAND:

Previous land owners have mined sand and gravel from the site in the past. The north access road leads into a small active excavation. Due to the low volume produced the operation has always been exempt from NYS DEC requirements. The northwest corner of the currently affected area was mined prior to 1975, and will not be disturbed.

The area to be mined is vegetated with rows of planted trees. The wooded area is periodically selectively cut for lumber and fire wood. The area to be mined will remain a minimum of 100' from Sterling Creek. The area proposed for mining is well to excessively drained.

The Town of Sterling does not prohibit mining at this site. The Town of Sterling has special use permit regulations, and the operator is pursuing the necessary approvals.

MINERAL AND MINING METHOD:

The Agricultural Soil Type Map from the Cayuga County Soil and Water Conservation Service shows the soil to be composed of Alton cobbly loam.

The Alton series is described as "Deep, well drained to somewhat excessively drained, moderately coarse textured soils. These soils formed in glaciofluvial sand and gravel deposits derived mainly from red and gray sandstone. They are on terraces, plains, remnant beach ridges, eskers and kames. In a representative profile, the surface layer is dark brown cobbly loam 7 inches thick. The subsoil extends to a depth of 41 inches. The substratum, to a depth of 63 inches, is stratified sand and gravel. Permeability is moderately rapid in the surface layer and subsoil and rapid in the substratum." Capability subclass IIs.

Agricultural Soil Properties Table

<u>Soil Name</u>	<u>Description</u>	<u>Drainage</u>	<u>Origin</u>	<u>Topsoil</u>	<u>Subsoil</u> <u>Thickness</u>	<u>Total</u>
Alton	cobbly loam	Well drained	glaciofluvial	7"	34"	41"
Howard	gravelly loam	Well drained	glaciofluvial	10"	19"	29"
Palmyra	gravelly loam	Somewhat excessively drained	glaciofluvial	11"	23"	34"

The Soil Conservation Service map shows glaciofluvial soils on the site. Lacustrine and deltaic soils are mapped surrounding the site. Till is mapped in elongated hills nearby. Poorly drained soils are mapped in the lowlands associated with Sterling Creek. The Surficial Geologic Map of New York maps "lacustrine silt and clay" deposits on the site. The deposit is probably too small to map at the scale of the Surficial Geologic Map of New York. The sand and gravel is probably underlain by lacustrine and till deposits.

Although the underlying bedrock was not tested, it typically is found to be Clinton Group sandstone and shale in this region. The absence of bedrock outcrops in the mining area suggests that it is unlikely that bedrock will be encountered. If bedrock is encountered it will not be mined. There will be no blasting.

Topsoil from the initial mining phase will be stripped to the mine perimeter to form erosion control berms as shown on the Mining Plan Map. Erosion control berms will subsequently be constructed around the subsequent mining phases in the same way. The land will remain undisturbed as long as possible prior to stripping. Areas will not be stripped until a short time before they are mined. When the land is cleared the valuable trees will be sold for lumber or mulch. The wood by-products will be chipped and sold to the maximum practical extent. All stumps or unusable wood by-products will be buried on site under a minimum of 2 feet of compacted cover.

Silt fence will be constructed between the erosion control berms and the mine boundary during construction to prevent sediment transport. The berms will be constructed of subsoil and topsoil stripped from the area to be mined. The subsoil and topsoil will be stored separately in parallel berms. The height of the berms will be a minimum of seven feet, and the minimum width of the base will be 14 feet. As soon as phase 1 and then subsequent phases are entered, berms will be mulched/seeded upon construction. After vegetation is established on the berms, the silt fence may be removed. The berms will prevent surface water from leaving the site. The berm along the west mine boundary will prevent offsite runoff from entering the mine. The erosion control berms will also serve as noise and visual screening. The subsoil and topsoil stored in the erosion control berms and the screening berms will be used to facilitate final reclamation. At the completion of mining, the berms will be removed.

Very little topsoil was saved for reclamation from previous mining activities. The remainder of the mine has an average of approximately 7" of topsoil and only 6" is required. The required topsoil volume is 28,879 cubic yards, and the available topsoil is 31,245 cubic yards. Calculations show that the remaining topsoil will ultimately be adequate to reclaim the mine.

Excavation will proceed eastward into the initial mining phase. Sand and gravel excavation and loading trucks will be accomplished with a bulldozer, front end loader or a hydraulic excavator. The bulldozer will be utilized to strip and replace subsoil and topsoil. The use of a small portable screening plant is anticipated. No crushing equipment is proposed. Any required air pollution permits will be obtained after the equipment is selected and the need for permitting is determined.

During the initial mining phase product stockpiles will be located near the processing plant. Nearly all of the working mine floor will be needed for processing, stockpiling and loading trucks. During Phase 2 the plant and stockpile area will be located in the north half of the Phase 2 area. In subsequent phases the plant and stockpile area will be in the east half of Phase 3, and in the southeast corner of Phase 4. These locations will ensure that the processing facilities will be as far as

possible from potential receptors along Sandford Road. Mining activities will be effectively screened by the working face, distance, vegetation and topography.

Archeology clearance has been obtained for the initial mining phase. Additional archeology field work has been done, and approval is imminent. Mining will not proceed into subsequent phases until archeology approval is obtained.

Unused areas of the mine floor will be reclaimed as soon as they are no longer needed. Concurrent with mining activities the mine perimeter will be sloped no steeper than two horizontal to one vertical. The final mine floor will slope gently eastward.

The mine perimeter boundary will remain a minimum of 100 feet from all property lines. The excavation toe will not proceed closer to the mine perimeter boundary than one and one half times the height of the face.

The elevation of Sterling Creek south of the proposed mine is approximately 358 feet above sea level. The groundwater was encountered at three feet deep in a test pit in the existing excavation. The test pit is located near where the access road enters the mine as shown on the Mining Plan Map. The test was excavated in the spring of 2014. The elevations shown on the cross sections are extrapolated from these known elevations. A minimum of five feet of undisturbed material will be maintained above the seasonal high groundwater elevation. The permittee will dig test pits in the mine floor at least five feet deep during the annual period of high groundwater each year in order to determine compliance with this condition. The resulting mine floor will be relatively dry and will not result in wetland habitat. There will be no discharge of sediment laden surface water from the site. Drainage will be internal, with surface water traveling radially inward.

If areas of unfavorable materials are encountered that are not practical to mine, mine depth may be reduced. Surface and subsurface drainage will not be substantially changed. No offsite drainage of surface water will be allowed. It is unlikely that bedrock will be encountered. There will be no mining of consolidated material. There will be no blasting. The site will be posted to prevent inadvertent or unauthorized access.

POLLUTION CONTROL MEASURES:

Air quality:

Excavation of the deposit and loading trucks will not generate significant dust, because the deposit is moist. Appreciable dust will not be generated by processing, and it will be controlled by the addition of water as necessary. A possible dust source could be the haul road, but it will be graded, watered or treated with approved dust palliatives as necessary to control dust. A water truck will be filled at the well shown on the Mining Plan Map and used to spray the mine floor and internal roadways. The small quantity of dust that is generated will not leave the site.

Water quality:

Mining will not affect the quality and quantity of groundwater or surface water, because below water mining is not proposed. Wells and springs that may exist in the vicinity will not be affected. Drainage will be vertical and radially inward as moisture is absorbed by the porous permeable sand and gravel soils. No surface water or runoff will be allowed to leave the site. To eliminate sources of possible water pollution there will not be storage or introduction of chemicals, waste, or refuse in the mine site. The Best Management Practices for petroleum pollution prevention are detailed in the appendix.

Stormwater control:

The north haulageway descends into the existing mined area, preventing surface water from flowing onto Sandford Road. The existing mined area is currently a concave landform and functions as a detention pond. As mining progresses the topography of the mine perimeter will remain high enough to prevent offsite drainage of surface water. All runoff from unvegetated areas will be directed inward, and the excavation will act as an infiltration basin.

There will be no discharge of sediment laden surface water into any natural surface water body or Designated Wetland. No surface water or runoff will be allowed to leave the site. The south haulageway is crowned to direct drainage to both sides.

Existing drainage patterns will not be substantially changed. Any erosion control measures implemented during mining activities will be installed pursuant to practices described in the "Guidelines for Urban Erosion Control".

Visual protection:

The site is located in a rural area characterized by farms and commercial activity. The nearest dwelling is over 250 feet away. The mine is well screened from any receptor due to vegetation and topography.

The wooded land between the mine and Sandford Road will remain undisturbed to serve as a visual and noise buffer. The proposed screening will be adequate to eliminate the potential for visual impacts to any receptor.

Noise protection:

Mining activities are well screened by vegetation and topography. Additional noise screening will be provided by the active face and erosion control berm. Mining activities will be performed in a manner that does not have prolonged impact on any potential receptor. All processing and mobile equipment is equipped with mufflers and is well maintained. Mining is likely to sporadically generate noise levels above current levels. The noise generated by mining will be sporadic in much the same way as the existing daily sound of highway traffic and agricultural activity.

Mining activities on the site will be conducted primarily during weekday daylight hours. Mining activities are not scheduled for Sundays and holidays. Hours of operation will be from 7:00 AM to 5:00 PM Monday through Friday, and from 8:00 AM to 4:00 PM on Saturday. Mining activities will be seasonal, and will principally be conducted April through November.

Potential noise impacts are addressed further in the enclosed Potential Noise Exposure Table. The conclusions drawn from the noise exposure estimates show that the sound generated by the proposed action will seldom if ever exceed ambient levels. The applicant uses modern well maintained equipment, and will not generate significantly louder noises than are typically generated by existing agricultural activities and ordinary vehicular traffic.

Traffic:

The two existing haulageways and existing stabilized construction entrances shown on the Mining Plan Map will be used for mine access. The north haulageway will only be used by traffic entering the mine. The south haulageway will be used by traffic exiting the mine. The sight distance from the south haulageway is excellent in both directions along Sanford Road. The view to the north from the north haulageway is limited by the steep hill. For this reason the north haulageway will not be used by traffic exiting the mine. Loaded trucks will only travel south on Sanford Road. Loaded trucks will then travel the short distance westward to NYS Route 38 on County Route 112 (Pople Road). Loads will then travel to customers using NYS Route 38 to the north and south or NYS Route 104 to the east and west. These routes have been discussed with the Town of Sterling Highway Superintendent, and the vehicles and loads will be acceptable on Sanford Road for the short distance proposed. County Route 112 and the New York State Highways are designed for heavy commercial traffic. The vehicles to be used will include tandem dump trucks, triaxle dump trucks and eighteen wheel tractor/dump trailer combination vehicles. The vehicles will not be loaded with weights exceeding legal limits for each individual vehicle. Loads will not extend above side boards, and will be properly tarped. The intersections of the mine haulageways with Sanford Road will be watered and swept as appropriate to control mud and dust. Proper traffic control signage will be put in place prior to and during road cleaning activities. Southbound traffic will stop at the stop sign at the corner of Sanford Road and County Route 112, and will not proceed until vehicles with the right-of-way have cleared. These vehicles now westbound will negotiate the intersection of County Route 112 and NYS Route 38 in the same way. Once on the New York State Highways these professional drivers will negotiate the appropriate routes without any additional safety concerns.

Wildlife:

There is evidence of wildlife activity in the wooded land on the site. The site currently appears to provide habitat for deer and other wildlife species. Any wildlife that may exist on the site will be temporarily displaced by mining and mining activities. A variety of habitats exist on land adjacent to the site. Many of these habitats are very similar to those currently found on the site. Wildlife species

assemblages similar to those currently present on the site are presumed to exist on nearby land. Species temporarily displaced by alteration of the project area may not find empty niches on nearby vegetated idle land. As mined areas are reclaimed species from nearby land will probably be available to re-colonize the affected areas. The area of the proposed excavation is very small relative to the large area of available similar habitat.

Affected land will be reclaimed concurrent with mining activities so that the area affected at any one time will be minimized. After mining activities are completed, lands will be re-vegetated.

To prevent impact to the endangered Indiana Bat (*Myotis sodalis*), tree clearing will be restricted to between November 15 and March 31. This species has not been identified at the site. These measures are a precaution to ensure protection of these valuable natural resources.

The quantity and quality of usable forage area and habitat will not be substantially changed. There will not be a permanent disturbance or significant reduction of habitat of any wildlife species.

Cultural Resources:

The OPRHP Statewide Archeological Inventory was examined and a portion of the site falls within a shaded area. A Phase 1B archaeology study was performed on a portion of the site by Alliance Archaeological Services in the Fall of 2014. The findings were submitted to OPRHP, and a No Impact Letter was issued for the initial mining phase. Alliance Archaeological Services has recently completed the field work for the remainder of the site. No culturally significant finds were reported. The information for the remainder of the site has been submitted to OPRHP for review. Mining activities will not be conducted in any area prior to clearance from OPRHP.

FINAL LAND USE OBJECTIVE:

The site will be returned to a condition consistent with local land use. The mine will be reclaimed to vegetated open space.

RECLAMATION METHOD:

Mined areas will be revegetated at the completion of mining or when they are no longer needed. The mine perimeter will be graded to a maximum slope of two horizontal to one vertical, and graded to conform to surrounding topography. The top of the two horizontal to one vertical slope will be the Life of Mine boundary; the toe will be the mine floor. The mine floor elevation will be gently sloping from approximately 411 feet to 378 feet above sea level.

The haulageways will remain for access as shown on the Reclamation Plan map. The mine floor and internal roadways will be scarified to a minimum depth of 12" prior to re-emplacement of subsoil and topsoil. The scarification will be

accomplished with chisel plows or the ripping teeth of a bulldozer. The mine perimeter slopes and the mine floor will be recovered with adequate subsoil and a minimum of six inches of topsoil, and re-vegetated with hearty grasses. Areas will be rechecked periodically to determine if a 75% survival rate has been accomplished. Areas of failure will be seeded with grasses as needed.

Surface and subsurface drainage patterns will not be substantially changed. All residual material and personal property will be removed.

RECLAMATION SCHEDULE:

As mining progresses, as much as possible of the excavation perimeter will be graded to a two horizontal to one vertical slope and re-vegetated. Any areas of the mine floor where unfavorable materials are encountered, and which are not necessary for stockpile area, will also be reclaimed. Grading and re-emplacement of subsoil and topsoil will take place in areas where mining has been completed. Grading and sloping will be done as soon as possible after affected areas are no longer in use. The area affected at any time will be minimized. Topsoil and subsoil will be replaced after grading is completed and affected areas will then be revegetated to grasses.

The operator intends to use sand and gravel from the deposit for nearby construction projects. It is anticipated that the mineral resource will be utilized and the mine site will be reclaimed within approximately twenty years.

Final grading, seeding and re-emplacement of subsoil and topsoil will take place in the growing season following completion of mining.

RE-VEGETATION:

Soil samples will be analyzed by the Cornell Cooperative Extension or other competent laboratory. Specifications and application rates of mulch, fertilizer, lime and seed will be fine tuned based upon the recommendation obtained.

The mine floor will be planted to grasses using the same seed mixture as the perimeter slopes.

5-10-10 fertilizer will be applied at 600 lb./acre. Ag-lime will be applied as needed, to attain a pH of at least 6.

Seeding will be according to the following rates:

Creeping red fescue or Tall fescue	- 10 lbs./acre
Red Top	- 2 lbs./acre
Birdsfoot trefoil	- 8 lbs./acre
Perennial Rye Grass	- 8 lbs./acre

Hay or straw will be used as mulch at 4,000 lbs./acre.

REFERENCES:

NRCS Soil Conservation Service Soil Data.

United States Geological Survey, Fair Haven 7.5 Minute Topographic Quadrangle.

Donald H. Cadwell et.al., 1986, Surficial Geologic Map of New York, Finger Lakes Sheet, N.Y.S. Geological Survey.

Donald W. Fisher et.al., 1970, Geologic Map of New York, Finger Lakes Sheet, N.Y.S. Geological Survey.

U.S. Dept. of Agriculture Soil Conservation Service, 1988, New York Guidelines for Urban Erosion and Sediment Control.

U.S. Dept. of Agriculture Soil Conservation Service, 1991, Conservation Plantings on Critical Areas for New York.

APPENDIX

POTENTIAL NOISE EXPOSURE TABLE
CHRISTOPHER J. CONSTRUCTION. LLC.
MARTVILLE MINE

<u>Equipment</u>	<u>Noise Level @ 50'</u>	<u>Receptor</u>	<u>Distance</u>	<u>Resulting Sound Pressure Level</u>
Processing Plant	85	13199 Sanford	700 ft.	62
Excavator	70	13199 Sanford	300 ft.	54
Dump Truck	76	13199 Sanford	300 ft.	60
Bulldozer	82	13199 Sanford	600 ft.	60
Cumulative				66
Reduction due to Noise Barrier = 10 decibels				56
Reduction due to Vegetation = 6 decibels				50

<u>Equipment</u>	<u>Noise Level @ 50'</u>	<u>Receptor</u>	<u>Distance</u>	<u>Resulting Sound Pressure Level</u>
Processing Plant	85	13177 Sanford	700 ft.	62
Excavator	70	13177 Sanford	400 ft.	52
Dump Truck	76	13177 Sanford	400 ft.	58
Bulldozer	82	13177 Sanford	600 ft.	60
Cumulative				66
Reduction due to Noise Barrier = 10 decibels				56
Reduction due to Vegetation = 6 decibels				50

Equipment to Be Used

The proposed equipment will include a bulldozer, excavator, and a portable screening plant. Tandem dump trucks will be used to haul bank run and processed aggregates to market. All of these machines will be well maintained, and equipped with effective mufflers for noise control. Ambient noise measurements were taken on March 5, 2015. At the same time the sound of the Hitachi 350 hydraulic excavator was also measured. The excavator was operated in the same way it will be used to work the sand and gravel mine. The peak noise measured at 50 feet

was 70 decibels. Worst case published data had been used in previously submitted reports. The current table has been revised to reflect the directly measured data.

The back up alarms are required by mine safety law to be louder than the noise level immediately adjacent to the mobile equipment. The sound level of the back up alarm can be easily adjusted to be no louder than necessary. The screening plant will not be moved closer to any receptor than as shown on the Mining Plan Map.

Nearby Residences and Businesses

Several residences are located along Sandford Road within approximately 300 feet of the project. The maximum potential sound impact to these receptors is dependent on the proximity of the mobile equipment. Sound impact decreases geometrically with distance following the “inverse square law”. The above calculations represent the time when the bulldozer and excavator are working near the mine perimeter, and the processing plant and dump truck are operating simultaneously at full capacity. The direction of mining is to advance the working face toward the residential receptors. The mobile and processing equipment will be on the mine floor behind the active face below the residential receptors. The mine face will screen sound impacts at the residential receptors.

This Potential Noise Exposure Table is based primarily upon the NYS DEC Program Policy Document “Assessing and Mitigating Noise Impacts”. The noise of the screening plant was estimated from similar machines. The noise of the excavator was measured while the machine was working hard. The noise levels of the other equipment are from “The USDOT Construction Noise Handbook”. The noise level that is generally acceptable to receptors is less than or equal to 55 decibels. An increase of more than 6 decibels above ambient levels may cause complaints. Noise affects are reduced by distance, topography, weather conditions and screening.

The Potential Noise Exposure Table estimates that with no topographic or vegetative screening noise levels could sporadically exceed 55 decibels. The resulting noise levels could be 66 decibels at the nearest residence. Screening by the working face and erosion control berms may reduce noise levels by 10 decibels.

The wooded buffer to remain will provide additional noise screening. Dense vegetation can reduce sound levels by 3 to 7 decibels per 100 feet⁽¹⁾. If we assume 200 feet of excellent quality vegetative screening between the mine and nearby dwellings the maximum sound impact may be reduced by 6 decibels.

The ambient noise levels at the nearby residences are probably elevated by the sounds of daily activities and passing motorists. The peak noise generated at the receptors by the project will be approximately 50 decibels. In general, the EPA’s “Protective Noise Levels” guidance found that ambient noise levels \leq 55 decibels were sufficient to protect public health and welfare, and in most cases, did not create an annoyance (EPA 550/9-79-100, November 1978). The addition of any noise source, in a non-industrial setting, should not raise the ambient noise level

above a maximum of 65 decibels at the receptor⁽¹⁾. The Potential Noise Exposure Table demonstrates that the 55 decibel level would seldom if ever be exceeded.

Mining will occur in four phases to mitigate noise and other impacts. Mining activities in the currently affected area have generated noise for many years. As mining proceeds farther from receptors the existing noise levels will decrease. Mining activities will be much farther away during Phase 2 and Phase 3, and noise levels will be negligible. Mining will subsequently proceed from east to west in Phase 4. This mining plan mitigates noise in two important ways. Mining will proceed toward nearby receptors from far away. The noise generated reflects from the excavation face and is directed away from potential receptors, resulting in the barrier effect calculated above. The other important benefit from the phasing plan is that the areas close to the receptors are mined last. The result is that the time that receptors are potentially exposed to noise is minimized.

The sound from the mine will be generated primarily during weekday business hours, when the majority of dwelling occupants may not be home.

These Applicant's Scenario estimates show the average sound impact generated by the gravel pit to be approximately 50 decibels. Ambient noise measurements taken on March 5, 2015 show ambient noise to average 47 decibels at 13199 Sanford Road and 45 decibels at 13177 Sanford Road. The peak noise measured at 13199 Sanford Road was 76 decibels, and at 13177 Sanford road 72 decibels.

The conclusions drawn from the noise exposure estimates show that the sound generated by the proposed action will seldom if ever exceed ambient levels. The applicant uses modern well maintained equipment, and will not generate significantly louder noises than are typically generated by existing agricultural activities and ordinary vehicular traffic.

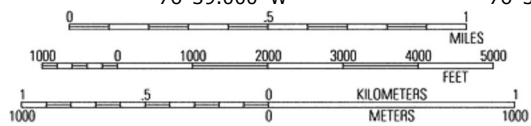
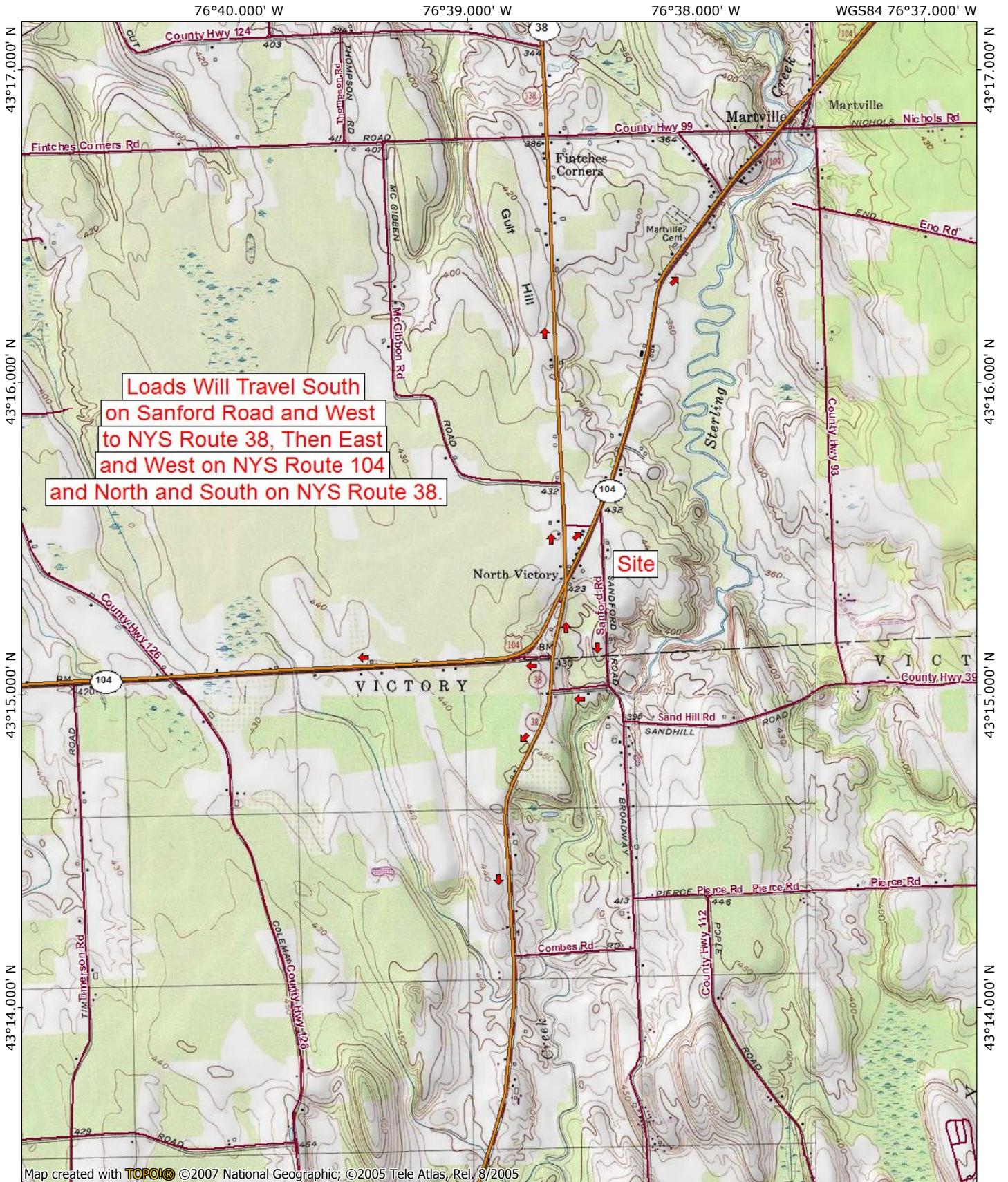
References:

- (1) Jeffrey Sama, Director, 2000, Assessing and Mitigating Noise Impacts, Program Policy, NYS DEC, Division of Environmental Permits, Department ID DEP-00-3.
- (2) USDOT, Federal Highway Administration, Construction Noise Handbook, www.fhwa.dot.gov
- (3) USEPA "Protective Noise Levels", 550/9/79-100, November 1978

	Residence			Residence	
	13199 Sanford Rd.			13177 Sanford Rd.	
	Time	Decibels		Time	Decibels
	9:45	41		9:45	67
	9:46	46		9:46	45
	9:47	44		9:47	43
	9:48	67		9:48	38
	9:49	39		9:49	38
	9:50	59		9:50	62
	9:51	39		9:51	38
	9:52	76		9:52	38
	9:53	39		9:53	38
	9:54	42		9:54	41
	9:55	42		9:55	41
	9:56	39		9:56	38
	9:57	51		9:57	39
	9:58	39		9:58	38
	9:59	39		9:59	38
	10:00	39		10:00	38
	10:01	39		10:01	38
	10:02	46		10:02	45
	10:03	39		10:03	38
	10:04	39		10:04	38
	10:05	39		10:05	38
	10:06	64		10:06	67
	10:07	66		10:07	51
	10:08	42		10:08	39
	10:09	39		10:09	38
	10:10	39		10:10	38
	10:11	62		10:11	60
	10:12	39		10:12	38
	10:13	39		10:13	38
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	10:15	53		10:15	56
	10:16	39		10:16	67
	10:17	42		10:17	41
	10:18	67		10:18	38
	10:19	55		10:19	45
	10:20	39		10:20	38
	10:21	43		10:21	42
	10:22	39		10:22	38
	10:23	57		10:23	38
	10:24	39		10:24	46
	10:25	39		10:25	58
	10:26	44		10:26	43
	10:27	53		10:27	38
	10:28	39		10:28	38
	10:29	59		10:29	60
	10:30	39		10:30	47
	10:31	55		10:31	38
	10:32	45		10:32	44
	10:33	39		10:33	45
	10:34	39		10:34	38
	10:35	57		10:35	60
	10:36	39		10:36	45
	10:37	39		10:37	38
	10:38	39		10:38	46

Residence		Residence	
13199 Sanford Rd.		13177 Sanford Rd.	
Time	Decibels	Time	Decibels
10:39	46	10:39	38
10:40	53	10:40	67
10:41	67	10:41	46
10:42	39	10:42	38
10:43	39	10:43	38
10:44	47	10:44	38
10:45	55	10:45	56
10:46	39	10:46	47
10:47	39	10:47	38
10:48	39	10:48	38
10:49	48	10:49	38
10:50	57	10:50	38
10:51	39	10:51	45
10:52	39	10:52	38
10:53	39	10:53	38
10:54	46	10:54	38
10:55	53	10:55	58
10:56	39	10:56	46
10:57	39	10:57	38
10:58	39	10:58	38
10:59	47	10:59	38
11:00	55	11:00	38
11:01	39	11:01	47
11:02	39	11:02	38
11:03	39	11:03	38
11:04	48	11:04	60
11:05	57	11:05	45
11:06	51	11:06	69
11:07	39	11:07	38
11:08	39	11:08	38
11:09	50	11:09	68
11:10	46	11:10	46
11:11	68	11:11	69
11:12	68	11:12	69
11:13	68	11:13	69
11:14	67	11:14	67
11:15	47	11:15	47
11:16	64	11:16	58
11:17	39	11:17	38
11:18	39	11:18	38
11:19	39	11:19	38
11:20	48	11:20	38
11:21	39	11:21	45
11:22	39	11:22	38
11:23	68	11:23	69
11:24	39	11:24	38
11:25	42	11:25	42
11:26	71	11:26	72
11:27	46	11:27	46
11:28	39	11:28	38
11:29	39	11:29	38
11:30	39	11:30	38
Count	106	Count	106
Total	4933	Total	4793
Average	47	Average	45
Peak	76	Peak	72

Truck Route Map, Martville Mine



MN TN
12°
02/16/15

Mine Area		Available Volume	
		Topsoil 7" Thick	
Initial Permit Term Area, Acres	5.5	Remaining Permit Term Area, Acres	2.9
Proposed Affected Area, Square Feet	239,580	Remaining Affected Area, Square Feet	126,324
Required Topsoil, Inches	6.0	Available Topsoil, Inches	7.0
Required Topsoil, Cubic Feet	119,790	Available Topsoil, Cubic Feet	73,689
Required Topsoil, Cubic Yards	4,437	Available Topsoil, Cubic Yards	2,729
Required Subsoil, Inches	6.0	Available Subsoil, Inches	34.0
Required Subsoil, Cubic Feet	119,790	Available Subsoil, Cubic Feet	357,918
Required Subsoil, Cubic Yards	4,437	Available Subsoil, Cubic Yards	13,256
Total Life of Mine Area, Acres	35.8	Remaining Life of Mine Area, Acres	33.2
Total Life of Mine Area, Square Feet	1,559,448	Remaining Life of Mine Area, Square Feet	1,446,192
Required Topsoil, Inches	6.0	Available Topsoil, Inches	7.0
Required Topsoil, Cubic Feet	779,724	Available Topsoil, Cubic Feet	843,612
Required Topsoil, Cubic Yards	28,879	Available Topsoil, Cubic Yards	31,245
Required Subsoil, Inches	6.0	Available Subsoil, Inches	34.0
Required Subsoil, Cubic Feet	779,724	Available Subsoil, Cubic Feet	4,097,544
Required Subsoil, Cubic Yards	28,879	Available Subsoil, Cubic Yards	151,761

Thomas Giles, Geologist
17002 Witt Rd.
Chaumont, NY 13622
315-649-5497

BEST MANAGEMENT PRACTICES FOR GROUNDWATER PROTECTION

Christopher J. Construction, LLC.
Martville Mine

1. Petroleum based fuels and lubricants will be stored in sealed clearly labeled containers. Only approved containers will be used. These containers will be opened only to add or remove fluids. Petroleum containers will be stored on a stable surface to prevent them from tipping over. Metal containers will be supported in a manner that prevents contact with moist earth.
2. The facility stores less than 1,100 gallons of petroleum and is too small to be registered according to Petroleum Bulk Storage regulations.
3. Emergency minor spill clean up materials will be kept on site and will at a minimum include:
 - a. Two 55 gallon steel open top drums.
 - b. One bale of 100 oil absorbent pads.
 - c. One bale of 40 feet of 4" oil absorbent boom.
 - d. Three 25 pound bags of granulated absorbent.
 - e. One roll of 20' X 100' 6 mil sheet polyethylene HDPE.
4. Petroleum products will be stored in a secure area that is locked when unattended.
5. Petroleum products will not be stored within 100 feet of catch basins, detention ponds or surface waters.
6. Drip pans and pads will be used under spigots, valves and pumps. Funnels, drip pans and pads will be used as appropriate when fueling mobile equipment.
7. Employees will be trained in the proper fueling and lubricating practices including how to prevent spills and when to report spills. Employees will be trained to properly clean up minor releases. Employees will be taught where absorbent materials are stored and how to use them.
8. Used absorbent materials and petroleum impacted soil will be temporarily stored in open top 55 gallon steel drums. These drums will be sealed securely except when used absorbent materials are being added. Any such drums will be properly transported by a licensed hauler to a permitted disposal facility immediately.
9. In the event of a spill the DEC Spill Hotline will be contacted at 800-457-7362.
10. If necessary a competent spill response contractor will be contacted such as:
 - Eggan Environmental Services - 800-527-6040
 - Op-Tech Environmental Services - 800-225-6750



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION
DIVISION OF MINERAL RESOURCES
MINED LAND RECLAMATION PROGRAM

MINING PERMIT APPLICATION

FOR OFFICIAL DEC USE ONLY

EMIS NUMBER:

7. MINED LAND PROJECT

- a. Will the total acreage by mining for the entire mining site exceed 5 acres? Yes ☒ No ☐
- b. Will the vertical depth from the top of the mine face to the floor exceed 20 feet? Yes ☒ No ☐
- c. Will there be on-site processing of mining products (eg. crushing, screening, washing)? Yes ☒ No ☐
- d. Will mining occur within 100 feet of a surface water body (eg. stream, lake) or wetland area? Yes ☐ No ☒
- e. Will any consolidated materials be mined (eg. limestone, trap rock, sandstone)? Yes ☐ No ☒
- f. Will mining occur within 500' of any dwelling? Yes ☒ No ☐
- g. Will mining ever occur at or below the mean high water table? Yes ☐ No ☒

1. MINE ID NUMBER _____ 2. TELEPHONE NUMBER (315) 529-4561

3. NAME OF APPLICANT
Christopher J. Construction, LLC.

4. PERMANENT ADDRESS
210 Christopher Circle

CITY STATE ZIP CODE
Oswego NY 13126

5. CONTACT PERSON
Christopher J. Ferlito

6. TELEPHONE NUMBER (315) 529-4561

8. TAXPAYER ID _____

If other than individual, provide Federal Taxpayer ID Number

9. APPLICATION TYPE

☒ New ☐ Renewal ☐ Modification

11. COMMON GEOLOGIC NAME OF MINERAL TO BE MINED

Sand and Gravel

10. a. PRESENT PERMIT TERM _____ b. COMING PERMIT TERM _____ years

Expiration Date / / ☒ 5 years ☐ Other _____ years

12. LOCAL ORDINANCES

a. Is mining prohibited at this location? ☐ Yes ☒ No

13. a. ARE ANY OTHER STATE MINING PERMITS CURRENTLY HELD BY THE APPLICANT? ☐ Yes ☒ No

b. Does the local government require any type of permit for mining at this location? ☒ Yes ☐ No

b. If YES, give DEC mine file number(s)

14. Has any owner, partner, corporate officer or corporate director of your organization ever held any of these positions in another organization that has had a New York State mining permit **SUSPENDED OR REVOKED** or has had a New York State mined land reclamation bond **FORFEITED**?

☐ Yes ☒ No If YES, identify the person(s).

15. ACREAGE SUMMARY (To be filled in by applicant)

- a. Total acreage controlled by owner at this location _____ acres
- b. Total acreage permitted by DEC prior to this application _____ acres
- c. Total acreage affected since April 1, 1975 _____ acres
- d. Total acreage approved by DEC as reclaimed since April 1, 1975 _____ acres
- e. Current affected acreage (c minus d) _____ acres
- f. Acreage included in this application, but not previously approved _____ acres
- g. New acreage to be affected during the coming permit term _____ acres
- h. Number of acres to be reclaimed during coming permit term _____ acres

FOR OFFICIAL DEC USE ONLY

82.10 acres
0.00 acres
2.60 acres
0.00 acres
2.60 acres
35.80 acres
2.90 acres
5.50 acres

16. NAME OF MINING SITE

Martville Mine

17. MINE LOCATION

Road Sanford Road

a. Quadrangle Name Fair Haven

Nearest Road Intersection NYS Route 104

b. ☐ 15 minute ☒ 7 1/2 minute

Town Sterling

County Cayuga

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LATITUDE: _____ LONGITUDE: _____

NAD 83

19. NAME AND ADDRESS OF SURFACE LANDOWNER

same

20. NAME AND ADDRESS OF MINERAL OWNER

same

21. The surface landowner and the mineral owner of the property that is to be mined by the above applicant have read the Mined Land Use Plan, which sets forth the applicant's mining and reclamation plan for the property to be mined, and hereby irrevocably consent and agree to the performance of the Mined Land Use Plan by the applicant, his surety or insurer, or the NYS Department of Environmental Conservation. The surface landowner and mineral owner further agree to allow access to the property to Department personnel for the purpose of conducting inspections or investigations in the regular course of their duties.

SIGNATURE OF SURFACE LANDOWNER

Christopher J. Ferlito

DATE

6/23/14

SIGNATURE OF MINERAL OWNER

Christopher J. Ferlito

DATE

6/23/14

22. I hereby affirm, under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

NAME, TITLE AND SIGNATURE OF APPLICANT OR AUTHORIZED REPRESENTATIVE

Christopher J. Ferlito, President

Christopher J. Ferlito

DATE

6/23/14

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: Christopher J. Construction, LLC., Martville Mine		
Project Location (describe, and attach a general location map): Sanford Road, Town of Sterling, Cayuga County		
Brief Description of Proposed Action (include purpose or need): The applicant proposes to mine sand and gravel from the site for commercial sale. The site will be reclaimed to vegetated open space concurrently with mining.		
Name of Applicant/Sponsor: Christopher J. Construction, LLC.		Telephone: (315) 529-4561
		E-Mail: cjf9679@yahoo.com
Address: 210 Christopher Circle		
City/PO: Oswego	State: New York	Zip Code: 13126
Project Contact (if not same as sponsor; give name and title/role): Christopher J. Ferlito		Telephone: (315) 529-4561
		E-Mail: cjf9679@yahoo.com
Address: 210 Christopher Circle		
City/PO: Oswego	State: New York	Zip Code: 13126
Property Owner (if not same as sponsor): same		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Special Use Permit	
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYS DEC Mining Permit	
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes☒No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☐Yes☒No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes☒No

If Yes, identify the plan(s):

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes☒No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☒ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?

AR _____

b. Is the use permitted or allowed by a special or conditional use permit? ☒ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☒ No

If Yes,

i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Red Creek Central School District

b. What police or other public protection forces serve the project site?

Cayuga County Sheriff

c. Which fire protection and emergency medical services serve the project site?

Hannibal Fire Company

d. What parks serve the project site?

Hannibal Community Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Sand and gravel commercial excavation

b. a. Total acreage of the site of the proposed action? 35.8 acres

b. Total acreage to be physically disturbed? 35.8 acres

c. Total acreage (project site and any contiguous properties) owned
or controlled by the applicant or project sponsor? 82.1 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☒ No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☒ No

If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No

iii. Number of lots proposed? _____

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will proposed action be constructed in multiple phases? ☒ Yes ☐ No

i. If No, anticipated period of construction: _____ months

ii. If Yes:

- Total number of phases anticipated 4

- Anticipated commencement date of phase 1 (including demolition) 4 month 2015 year

- Anticipated completion date of final phase 9 month 2035 year

- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

Mining activities will be preformed only in the current phase. The phases will be excavated consecutively. Reclamation will be accomplished concurrently with mining. _____

f. Does the project include new residential uses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If Yes, show numbers of units proposed.			
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>
	<u>Multiple Family (four or more)</u>		
Initial Phase	_____	_____	_____
At completion	_____	_____	_____
of all phases	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes,	
i. Total number of structures _____	
ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length	
iii. Approximate extent of building space to be heated or cooled: _____ square feet	

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes,	
i. Purpose of the impoundment: _____	
ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> Other specify: _____	
iii. If other than water, identify the type of impounded/contained liquids and their source. _____	
iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres	
v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length	
vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____	

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)	
If Yes:	
i. What is the purpose of the excavation or dredging? <u>Production of sand and gravel construction aggregates.</u>	
ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?	
<ul style="list-style-type: none"> • Volume (specify tons or cubic yards): <u>1,400,000 Cubic Yards</u> • Over what duration of time? <u>20 years</u> 	
iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.	
<u>The project will mine surface unconsolidated sand and gravel. Topsoil will be stripped and replaced at the time of reclamation.</u>	
iv. Will there be onsite dewatering or processing of excavated materials? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, describe. _____	
v. What is the total area to be dredged or excavated? _____ <u>35.8</u> acres	
vi. What is the maximum area to be worked at any one time? _____ <u>17.8</u> acres	
vii. What would be the maximum depth of excavation or dredging? _____ <u>60</u> feet	
viii. Will the excavation require blasting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
ix. Summarize site reclamation goals and plan: _____	
<u>Topsoil will be replaced and the site will be reclaimed to vegetated open space.</u>	

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes:	
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____	

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No
If Yes, describe: _____

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No
If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☐ Yes ☒ No
If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☐ No
If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐ No
If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐ Yes ☒ No
If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☐ No
If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

<ul style="list-style-type: none"> • Do existing sewer lines serve the project site? _____ • Will line extension within an existing district be necessary to serve the project? _____ <p>If Yes:</p> <ul style="list-style-type: none"> • Describe extensions or capacity expansions proposed to serve this project: _____ _____ _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans): _____ _____ _____</p>	
<p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____ _____</p>	
<p>e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? _____</p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel? _____ Square feet or <u>35.8</u> acres (impervious surface) _____ Square feet or <u>82.1</u> acres (parcel size)</p> <p>ii. Describe types of new point sources. <u>Vegetated land will become unvegetated mine floor.</u></p> <p>iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? <u>All surface water will be retained on site.</u></p> <p>_____</p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ _____ • Will stormwater runoff flow to adjacent properties? _____ 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? _____</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) <u>Mobile heavy equipment will be used to excavate and transport sand and gravel.</u></p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) _____</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? _____</p> <p>If Yes:</p> <p>i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> • _____ Tons/year (short tons) of Carbon Dioxide (CO₂) • _____ Tons/year (short tons) of Nitrous Oxide (N₂O) • _____ Tons/year (short tons) of Perfluorocarbons (PFCs) • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (HFCs) • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs) 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

<p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p>			
<p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p> <p>Dust will be controlled by the addition of water or approved dust palliatives. _____</p>			
<p>j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend <input checked="" type="checkbox"/> Randomly between hours of <u>9:00 AM</u> to <u>5:00 PM</u>.</p> <p>ii. For commercial activities only, projected number of semi-trailer truck trips/day: <u>50</u></p> <p>iii. Parking spaces: Existing <u>0</u> Proposed <u>0</u> Net increase/decrease <u>0</u></p> <p>iv. Does the proposed action include any shared use parking? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: <u>A stabilized construction entrance will be used where the proposed access road intersects Sanford Road.</u></p>			
<p>vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p>iii. Will the proposed action require a new, or an upgrade to, an existing substation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: <u>7:00 AM- 5:00 PM</u> • Saturday: <u>8:00 AM- 4:00 PM</u> • Sunday: <u>None</u> • Holidays: <u>None</u> </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: <u>7:00 AM- 5:00 PM</u> • Saturday: <u>8:00 AM- 4:00 PM</u> • Sunday: <u>None</u> • Holidays: <u>None</u> </td> </tr> </table>		<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: <u>7:00 AM- 5:00 PM</u> • Saturday: <u>8:00 AM- 4:00 PM</u> • Sunday: <u>None</u> • Holidays: <u>None</u> 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: <u>7:00 AM- 5:00 PM</u> • Saturday: <u>8:00 AM- 4:00 PM</u> • Sunday: <u>None</u> • Holidays: <u>None</u>
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<p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p>The sound of the heavy equipment will be mitigated by distance, vegetation and topography.</p>	
<p>ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe: A wooded barrier 200 feet wide will remain along Sanford Road.</p>	
<p>n. Will the proposed action have outdoor lighting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p>	
<p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe:</p>	
<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:</p>	
<p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally describe proposed storage facilities: _____</p>	
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p>	
<p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ 	

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☒ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☒ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site			
a. Existing land uses.			
i. Check all uses that occur on, adjoining and near the project site.			
<input type="checkbox"/> Urban	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Residential (suburban) <input checked="" type="checkbox"/> Rural (non-farm)
<input type="checkbox"/> Forest	<input type="checkbox"/> Agriculture	<input type="checkbox"/> Aquatic	<input type="checkbox"/> Other (specify): _____
ii. If mix of uses, generally describe: _____			
b. Land uses and covertypes on the project site.			
Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0	0
• Forested	31.2	0	-31.2
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	35.8	+35.8
• Agricultural (includes active orchards, field, greenhouse etc.)	2.0	0	-2.0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	2.6	0	-2.6
• Other Describe: _____	0	0	0

c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? If Yes, i. Identify Facilities: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: <ul style="list-style-type: none"> • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet ii. Dam's existing hazard classification: _____ iii. Provide date and summarize results of last inspection: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? If Yes: i. Has the facility been formally closed? <ul style="list-style-type: none"> • If yes, cite sources/documentation: _____ ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes: i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? If Yes: i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input type="checkbox"/> Yes – Spills Incidents database <input type="checkbox"/> Yes – Environmental Site Remediation database <input type="checkbox"/> Neither database </div> <div> Provide DEC ID number(s): _____ Provide DEC ID number(s): _____ </div> </div> ii. If site has been subject of RCRA corrective activities, describe control measures: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s): _____ iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

v. Is the project site subject to an institutional control limiting property uses? <input type="checkbox"/> Yes <input type="checkbox"/> No																															
<ul style="list-style-type: none"> • If yes, DEC site ID number: _____ • Describe the type of institutional control (e.g., deed restriction or easement): _____ • Describe any use limitations: _____ • Describe any engineering controls: _____ • Will the project affect the institutional or engineering controls in place? <input type="checkbox"/> Yes <input type="checkbox"/> No • Explain: _____ _____ _____ 																															
E.2. Natural Resources On or Near Project Site																															
a. What is the average depth to bedrock on the project site? _____ <u>Not Tested</u> feet																															
b. Are there bedrock outcroppings on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %																															
c. Predominant soil type(s) present on project site: <table style="width: 100%; border: none;"> <tr> <td style="border-bottom: 1px solid black; width: 60%;">Alton Cobbly Loam</td> <td style="border-bottom: 1px solid black; width: 40%; text-align: right;">100 %</td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">%</td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">%</td> </tr> </table>		Alton Cobbly Loam	100 %		%		%																								
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d. What is the average depth to the water table on the project site? Average: _____ <u>3</u> feet																															
e. Drainage status of project site soils: <table style="width: 100%; border: none;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td style="width: 300px;">Well Drained:</td> <td style="width: 30%; text-align: right;">100 % of site</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Moderately Well Drained:</td> <td style="text-align: right;">% of site</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Poorly Drained</td> <td style="text-align: right;">% of site</td> </tr> </table>		<input checked="" type="checkbox"/>	Well Drained:	100 % of site	<input type="checkbox"/>	Moderately Well Drained:	% of site	<input type="checkbox"/>	Poorly Drained	% of site																					
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f. Approximate proportion of proposed action site with slopes: <table style="width: 100%; border: none;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td style="width: 150px;">0-10%:</td> <td style="width: 30%; text-align: right;">90 % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>10-15%:</td> <td style="text-align: right;">10 % of site</td> </tr> <tr> <td><input type="checkbox"/></td> <td>15% or greater:</td> <td style="text-align: right;">% of site</td> </tr> </table>		<input checked="" type="checkbox"/>	0-10%:	90 % of site	<input checked="" type="checkbox"/>	10-15%:	10 % of site	<input type="checkbox"/>	15% or greater:	% of site																					
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<input checked="" type="checkbox"/>	10-15%:	10 % of site																													
<input type="checkbox"/>	15% or greater:	% of site																													
g. Are there any unique geologic features on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, describe: _____ _____																															
h. Surface water features. <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?</td> <td style="width: 20%; text-align: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> </tr> <tr> <td>ii. Do any wetlands or other waterbodies adjoin the project site?</td> <td style="text-align: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="2">If Yes to either <i>i</i> or <i>ii</i>, continue. If No, skip to E.2.i.</td> </tr> <tr> <td>iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?</td> <td style="text-align: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="2">iv. For each identified regulated wetland and waterbody on the project site, provide the following information:</td> </tr> <tr> <td>• Streams: Name <u>847-490</u></td> <td style="text-align: right;">Classification <u>C</u></td> </tr> <tr> <td>• Lakes or Ponds: Name _____</td> <td style="text-align: right;">Classification _____</td> </tr> <tr> <td>• Wetlands: Name <u>Federal Waters</u></td> <td style="text-align: right;">Approximate Size _____</td> </tr> <tr> <td>• Wetland No. (if regulated by DEC) _____</td> <td></td> </tr> <tr> <td colspan="2"> v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: _____ _____ </td> </tr> <tr> <td colspan="2"> i. Is the project site in a designated Floodway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td colspan="2"> j. Is the project site in the 100 year Floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td colspan="2"> k. Is the project site in the 500 year Floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td colspan="2"> l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">i. Name of aquifer: <u>Principal Aquifer</u></td> <td></td> </tr> </table> </td> </tr> </table>		i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ii. Do any wetlands or other waterbodies adjoin the project site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i.		iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	iv. For each identified regulated wetland and waterbody on the project site, provide the following information:		• Streams: Name <u>847-490</u>	Classification <u>C</u>	• Lakes or Ponds: Name _____	Classification _____	• Wetlands: Name <u>Federal Waters</u>	Approximate Size _____	• Wetland No. (if regulated by DEC) _____		v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: _____ _____		i. Is the project site in a designated Floodway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		j. Is the project site in the 100 year Floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		k. Is the project site in the 500 year Floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">i. Name of aquifer: <u>Principal Aquifer</u></td> <td></td> </tr> </table>		i. Name of aquifer: <u>Principal Aquifer</u>	
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<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <p>White Tail Deer _____</p> <p>Raccoon _____</p>	
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
<p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>	
<p>E.3. Designated Public Resources On or Near Project Site</p>	
<p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: CAYU005 _____</p>	
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>	
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>	
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?

☐ Yes ☒ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name:

iii. Brief description of attributes on which listing is based:

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?

☒ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site?

☐ Yes ☒ No

If Yes:

i. Describe possible resource(s):

ii. Basis for identification:

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?

☐ Yes ☒ No

If Yes:

i. Identify resource:

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.):

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☒ No

☐ Yes ☒ No

If Yes:

i. Identify the name of the river and its designation:

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?

☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Christopher J. Ferlito

Date _____

2/20/15

Signature

Chth L.A.

Title President

PRINT FORM

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Project :

Date :

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer “**Yes**” to a numbered question, please complete all the questions that follow in that section.
- If you answer “**No**” to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “Moderate to large impact may occur.”
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the “whole action”.
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) <i>If “Yes”, answer questions a - j. If “No”, move on to Section 2.</i>				<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur		
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input type="checkbox"/>	<input type="checkbox"/>		
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input type="checkbox"/>	<input type="checkbox"/>		
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input type="checkbox"/>	<input type="checkbox"/>		
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input type="checkbox"/>	<input type="checkbox"/>		
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input type="checkbox"/>	<input type="checkbox"/>		
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input type="checkbox"/>	<input type="checkbox"/>		
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input type="checkbox"/>	<input type="checkbox"/>		
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>		

2. Impact on Geological Features The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - c. If "No", move on to Section 3.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts on Surface Water The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - l. If "No", move on to Section 4.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input type="checkbox"/>	<input type="checkbox"/>

I. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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4. Impact on groundwater The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) <i>If “Yes”, answer questions a - h. If “No”, move on to Section 5.</i>			
	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) <i>If “Yes”, answer questions a - g. If “No”, move on to Section 6.</i>			
	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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6. Impacts on Air The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) <i>If “Yes”, answer questions a - f. If “No”, move on to Section 7.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO ₂)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
ii. More than 3.5 tons/year of nitrous oxide (N ₂ O)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iv. More than .045 tons/year of sulfur hexafluoride (SF ₆)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	<input type="checkbox"/>	<input type="checkbox"/>
vi. 43 tons/year or more of methane	D2h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in “a” through “c”, above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

7. Impact on Plants and Animals The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <i>If “Yes”, answer questions a - j. If “No”, move on to Section 8.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input type="checkbox"/>	<input type="checkbox"/>

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____	E1b	<input type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

9. Impact on Aesthetic Resources The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.) <i>If "Yes", answer questions a - g. If "No", go to Section 10.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

10. Impact on Historic and Archeological Resources The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.) <i>If "Yes", answer questions a - e. If "No", go to Section 11.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered “Yes”, continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property’s setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>

11. Impact on Open Space and Recreation The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) <i>If “Yes”, answer questions a - e. If “No”, go to Section 12.</i> <div style="text-align: right;"> <input type="checkbox"/> NO <input type="checkbox"/> YES </div>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or “ecosystem services”, provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

12. Impact on Critical Environmental Areas The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) <i>If “Yes”, answer questions a - c. If “No”, go to Section 13.</i> <div style="text-align: right;"> <input type="checkbox"/> NO <input type="checkbox"/> YES </div>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

13. Impact on Transportation The proposed action may result in a change to existing transportation systems. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.j) <i>If "Yes", answer questions a - g. If "No", go to Section 14.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

14. Impact on Energy The proposed action may cause an increase in the use of any form of energy. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.k) <i>If "Yes", answer questions a - e. If "No", go to Section 15.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light The proposed action may result in an increase in noise, odors, or outdoor lighting. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.m., n., and o.) <i>If "Yes", answer questions a - f. If "No", go to Section 16.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)

☐ NO

☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____			

17. Consistency with Community Plans The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.) <i>If “Yes”, answer questions a - h. If “No”, go to Section 18.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action’s land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) <i>If “Yes”, answer questions a - g. If “No”, proceed to Part 3.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

Project :

Date :

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☐ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☐ Part 1 ☐ Part 2 ☐ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the _____ as lead agency that:

☐ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action:

Name of Lead Agency:

Name of Responsible Officer in Lead Agency:

Title of Responsible Officer:

Signature of Responsible Officer in Lead Agency:

Date:

Signature of Preparer (if different from Responsible Officer)

Date:

For Further Information:

Contact Person:

Address:

Telephone Number:

E-mail:

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)

Applicant (if any)

Environmental Notice Bulletin: <http://www.dec.ny.gov/enb/enb.html>



ENVIRONMENTAL ASSESSMENT FORM FOR MINED LAND RECLAMATION PROJECTS
(Attachment to Permit Application)

Part 1 - Project Information (To be completed by Applicant or Project Sponsor)

Applicant or Sponsor: Ferlito Aggregates, LLC.	Mine Name: Martville Mine
Mine Location: Sanford Road	
Municipality: Town of Sterling	County: Cayuga
Proposed Action: <input checked="" type="checkbox"/> New <input type="checkbox"/> Modification	

A. Site Description

1. Describe the existing physical condition and existing land use of the site.
Much of the site is vegetated with plantation trees. The remainder is woods and fields. Sterling Creek is approximately 200 feet south of the site.
2. Describe the present land use of the properties surrounding the proposed/existing mine site (i.e. residential, industrial, farming, forest, etc.):
The surrounding properties are idle, agricultural, commercial and residential.
3. Is the site located in an agricultural district certified pursuant to Agricultural and Markets Law, Article 25-AA, Section 303 and 304? ☒ Yes ☐ No
4. Describe the soils that exist within the proposed mine site (available from the County Soil and Water Conservation District).
Alton cobbly loam
5. Distance and bearing (direction) from the life-of-mine boundary to nearest property line (e.g. 480 ft / North) 100 Ft./North, 200 Ft./South, 500 Ft./East, 200 Ft./West
6. Distance and bearing (direction) from the life-of-mine boundary to nearest residence (e.g. 1430 ft / Northeast) 300 Ft./West
7. Distance and bearing to the nearest water supply well: 300 Ft./West
8. Depth to water table at the site: 3-60 feet

9. Are there any water resources or wetlands within or adjacent to the proposed mine?
☒ Yes ☐ No Type(s): Sterling Creek
10. Is there any existing subsurface septic system, including leach field, within 50 feet of the life-of-mine limits?
☐ Yes ☒ No
11. Does the proposed mine require any type of approval from the local government?
☒ Yes ☐ No Type: Town of Sterling, Special Use Permit
12. Will the proposed action comply with existing zoning or other land use restrictions?
☒ Yes ☐ No If no, please describe .

B. Description of the Project

1. Briefly describe the project
The applicant proposes to mine sand and gravel from the site for commercial sale. The site will be reclaimed to vegetated open space concurrently with mining.
2. Total acreage owned or controlled by the applicant at the site: 82.1 acres
3. Amount of land to be affected by mining:
Initially: 5.5 acres Ultimately (life-of-mine): 35.8 acres
4. Maximum depth of the excavation: 60 feet
5. Estimated total amount of material to be removed from the site: 1400000 cubic yards
6. Will reclamation be concurrent with mining? ☒ Yes ☐ No If yes, what is the projected maximum number of acres to be open or disturbed at any one time? 17.8 acres
7. Estimated life of the mine including final reclamation phase: 20 years
8. Fate of unuseable materials (stumps, overburden, fines, oversize, etc.):
All unusable materials will be removed from the site or buried under a minimum of 2' of cover.
9. If there will be onsite processing, what types of equipment will be used? (Portable/non-portable; dry screen; crusher; shredder). Provide maximum capacity in tons per hour for this equipment:
screen 200 tons/hour crusher _____ tons/hour shredder _____ tons/hour
10. Number of vehicle trips per hour to be generated by mining operation:
maximum 10 trips/hour average 5 trips/hour
11. Will all surface water runoff be retained on-site? ☒ Yes ☐ No If No, a SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (GP-0-06-002) will be required.
12. Hours of Operation: Monday through Friday: 7 a.m. to 5 p.m.
Saturday: 8 a.m. to 4 p.m.
Will the mine normally operate Sundays, New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day or Christmas Day? ☐ Yes ☒ No
If Yes, please describe Hours of Operation: _____ a.m. to _____ p.m.
13. Will blasting occur? ☐ Yes ☒ No

C. Will the Mining Operation Create a Pond? ☐ Yes ☒ No If Yes, please complete the following:

1. What will be the principal source of the water? ☐ Ground water ☐ Surface water runoff
2. Surface area of the pond: _____ acres Pond water depth: _____ feet
3. If the pond will have a dam or impounding structure, what will be its height above existing ground level? _____ feet
 - a. What is the size in acres of the upgradient watershed that will drain toward the proposed pond ? _____ acres
 - b. How much water will be impounded (held back) by the impounding structure? _____ million gallons
4. If the pond will have an outlet structure:
 - a. Type: _____
 - b. Located at or below existing ground level? ☐ Yes ☐ No
 - c. If above existing ground level, what height above? _____ 0.0 feet
 - d. Where will the pond overflow discharge? _____
5. Maximum steepness of underwater slopes: _____ feet horizontal to _____ feet vertical
6. Does the local government prohibit a pond at the site? ☐ Yes ☐ No If no, is a local approval required to create a pond? ☐ Yes ☐ No

D. Verification

I certify that the information provided above is true to the best of my knowledge

Applicant or Sponsor Name: Christopher J. Ferlito Date: 6/23/14

Signature: Chris J. Ferlito

Part 2- Environmental Assessment (To be completed by Agency)

A. Does Action exceed any Type I threshold in 6NYCRR Part 617.4? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, coordinate the review process and use the Full EAF
B. Will the action receive coordinated review as provided for unlisted actions in 6NYCRR Part 617.6? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, a negative declaration may be superseded by another agency.
C. Will the project have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA) ? <input type="checkbox"/> Yes <input type="checkbox"/> No
D. Is there, or is there likely, to be controversy related to potential adverse environmental impacts? <input type="checkbox"/> Yes <input type="checkbox"/> No
E. If reclamation impounds water, will a dam safety permit be required? <input type="checkbox"/> Yes <input type="checkbox"/> No

Part 3 - Determination of Significance (To be completed by Agency)

Instructions: For each adverse effect, determine whether it is substantial, large, important or otherwise significant. Each effect should be assessed in connection with its (a) setting (i.e. urban or rural); (b) probability of occurring; (c) duration; (d) irreversibility; (e) geographic scope; and (f) magnitude. If necessary, add attachments or reference supporting materials. Ensure that explanations contain sufficient detail to show that all relevant adverse impacts have been identified and adequately addressed. If question C of Part 2 was checked “yes”, the determination and significance must evaluate the potential impact of the proposed impact of the action on the environmental characteristics of the CEA.

☐ Check this box if you have identified one or more potentially large and significant adverse impacts which may occur. Then proceed directly to the FULL EAF and prepare a positive declaration.

☐ Check this box if you have determined, based upon the information and analysis and any supporting documentation, that the proposed action will not result in any significant adverse environmental impact and attach a supporting negative declaration.

Name of Agency

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Date

Signature of Preparer (if different)



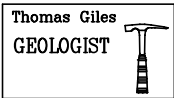
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MINERAL RESOURCES
50 WOLF ROAD, ALBANY, NEW YORK 12233-6500

ORGANIZATIONAL REPORT

OFFICE FILE NUMBER

INCOMPLETE FORMS NOT ACCEPTABLE AND WILL BE RETURNED FOR COMPLETION

<p>1. FULL NAME AND COMPLETE MAILING ADDRESS OF THE ENTITY, INCLUDE NAME AND TITLE TO WHOM ALL CORRESPONDENCE SHOULD BE SENT.</p> <p>Christopher J. Construction, LLC. 210 Christopher Circle Oswego, NY 13126</p>	<p>2. FULL NAME AND COMPLETE MAILING ADDRESS OF AGENT IN NEW YORK WHO CAN BE SERVED ORDERS, NOTICES AND PROCESSES OF THE DEPARTMENT OR OF ANY COURT OF LAW. POST OFFICE BOX ADDRESSES ARE NOT ACCEPTABLE.</p> <p>Same</p>												
<p>TELEPHONE NUMBER (315) 529-4561</p> <p>FAX NUMBER ()</p>	<p>TELEPHONE NUMBER ()</p>												
<p>3. TYPE OF ACTIVITY (Check those That Apply)</p> <p> <input type="checkbox"/> PRODUCTION—Oil, Gas, Injection or Geothermal Well(s) <input type="checkbox"/> STORAGE—Underground Gas or LPG facility <input type="checkbox"/> PURCHASING—Of Oil or Gas From Others <input type="checkbox"/> TRANSPORTATION—By Truck or Pipeline for Others <input type="checkbox"/> SALVAGE—Plug and Abandon Wells for Others <input type="checkbox"/> DRILLING—Drill Wells for Others </p>													
<p>4. STATE WHETHER THE ENTITY IS A CORPORATION, ASSOCIATION, PARTNERSHIP, INDIVIDUAL, PUBLIC AUTHORITY OR GOVERNMENTAL AGENCY. IF FOREIGN CORPORATION, GIVE STATE AND DATE OF INCORPORATION AND DATE OF AUTHORIZATION TO DO BUSINESS IN NEW YORK STATE. IF PARTNERSHIP, STATE WHETHER GENERAL OR LIMITED AND COUNTY OF FILING. IF DBA, GIVE COUNTY OF FILING.</p> <p>NYS Corporation</p>	<p>5. IF A NAME CHANGE, GIVE COMPLETE NAME AND ADDRESS OF PREVIOUS ENTITY.</p> <p>N/A</p>												
<p>6. IF CORPORATION OR ASSOCIATION, LIST ALL DIRECTORS AND ALL OFFICERS. IF PARTNERSHIP, LIST ALL GENERAL AND ALL LIMITED PARTNERS. ATTACH ADDITIONAL SHEETS IF NECESSARY.</p> <table border="1"> <thead> <tr> <th>NAME</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>Christopher J. Ferlito</td> <td>President</td> </tr> <tr> <td>Mary Audlin</td> <td>Secretary</td> </tr> </tbody> </table>	NAME	TITLE	Christopher J. Ferlito	President	Mary Audlin	Secretary	<p>7. LIST ALL PERSONS AUTHORIZED BY THE ENTITY TO SIGN ALL SUBMITTALS TO THE DEPARTMENT</p> <table border="1"> <thead> <tr> <th>NAME</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>Christopher J. Ferlito</td> <td>President</td> </tr> <tr> <td>Mary Audlin</td> <td>Secretary</td> </tr> </tbody> </table>	NAME	TITLE	Christopher J. Ferlito	President	Mary Audlin	Secretary
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Mary Audlin	Secretary												
<p>I hereby affirm under penalty of perjury that the information provided in the report is true to the best of my knowledge and belief. I am aware that false statements made in this report are punishable as a Class A misdemeanor under Section 210.45 of the Penal Law.</p>													
<p>TYPE OR PRINT NAME OF AUTHORIZED PERSON</p> <p>Christopher J. Ferlito</p>	<p>SWORN TO AND SUBSCRIBED</p> <p>BEFORE ME, THIS 24th</p> <p>DAY OF June, 2014</p> <p><i>Rob L Barber</i> NOTARY PUBLIC</p>												
<p>SIGNATURE</p> <p><i>Chth JLF</i></p>	<p>ROBIN L BARBER Notary Public, State of New York No. 01BA6276096 Qualified in Oswego County Commission Expires February 11, 2017</p>												



Mining Plan Map

Christopher J. Construction, LLC.
Martville Mine
Cayuga County, Town of Sterling
Fair Haven U.S.G.S. Topo. Quad.

Prepared by Thomas Giles, Geologist
April 2015

Approximate Acreages

Area of Property - 82.1 Acres
Life of Mine Area - 35.8 Acres
Phase 1 Area - 5.5 Acres
Phase 2 Area - 9.2 Acres
Phase 3 Area - 8.8 Acres
Phase 4 Area - 12.3 Acres

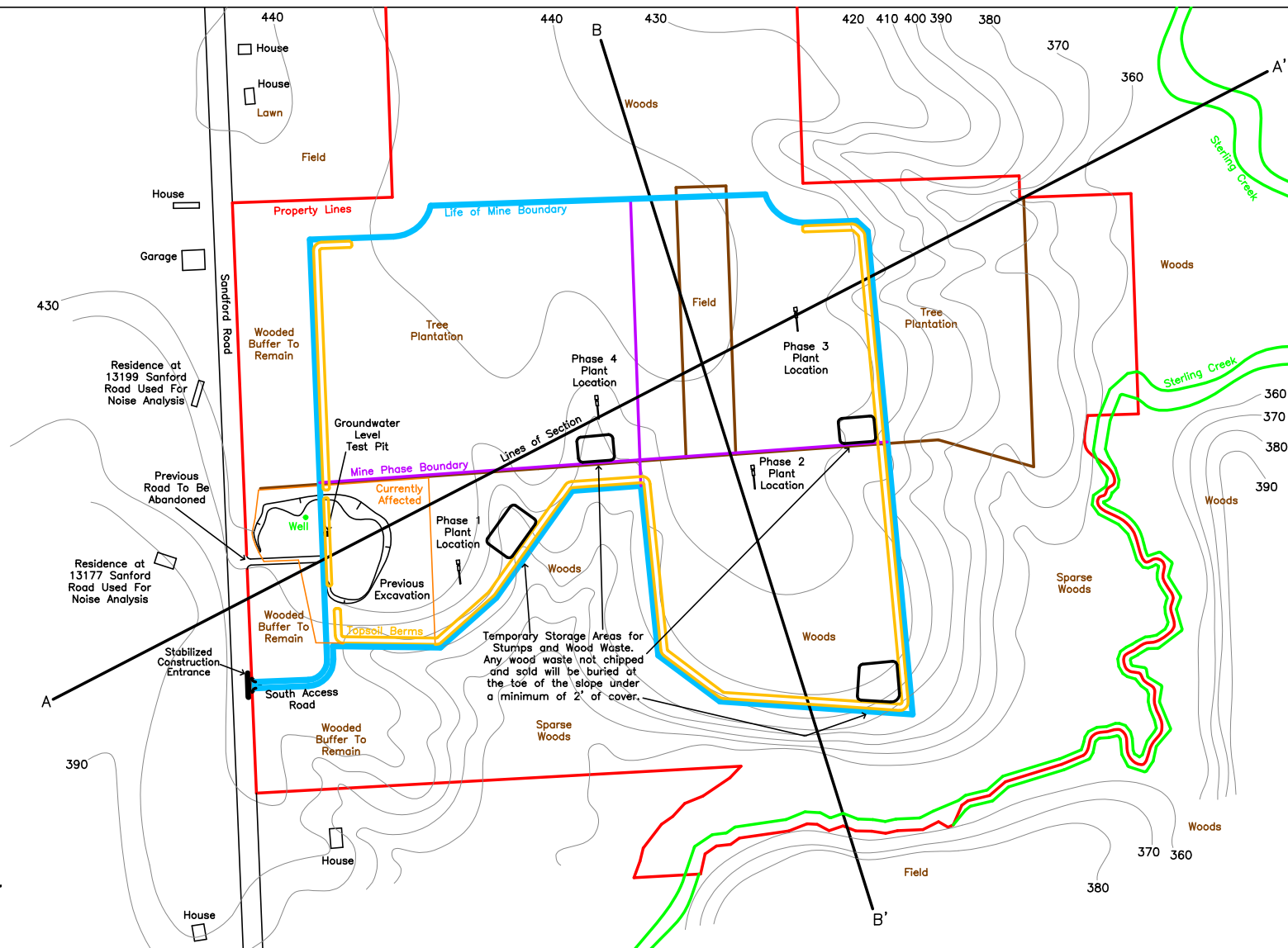
LEGEND

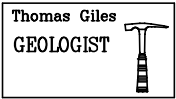
- Topographic Contour
- 460 Topographic Elevation
- Vegetation Feature
- Water Feature
- Life of Mine
- Mining Phases
- Currently Affected
- Topsoil Berms

Contour Interval 10 feet
Datum Sea Level

Scale in Feet

This map is not intended
for use in engineering, design,
or the conveyancing of land.

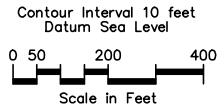




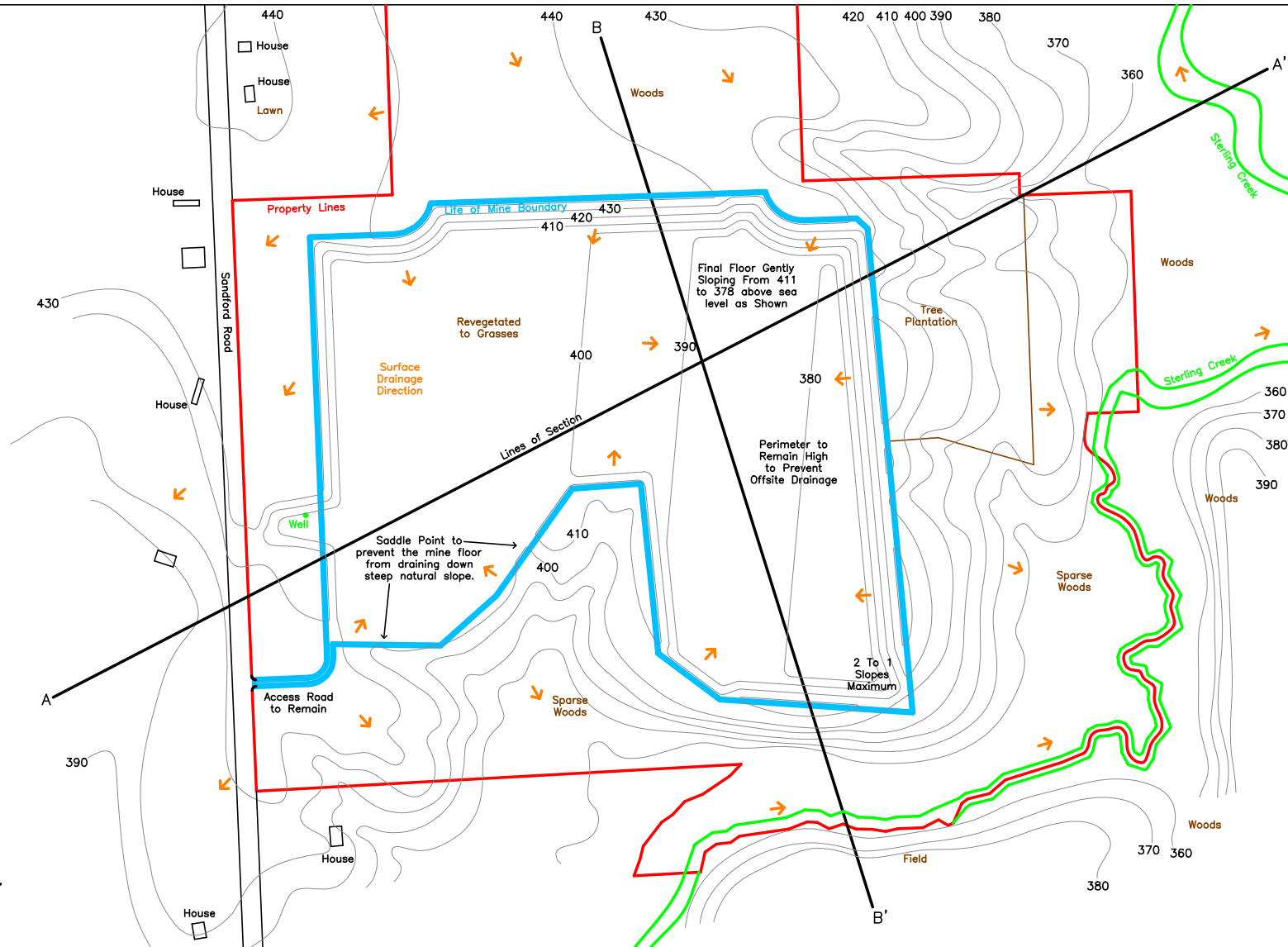
Reclamation Plan Map
Christopher J. Construction, LLC.
Martville Mine
Cayuga County, Town of Sterling
Fair Haven U.S.G.S. Topo. Quad.
Prepared by Thomas Giles, Geologist
April 2015

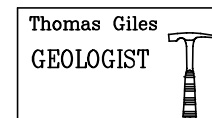
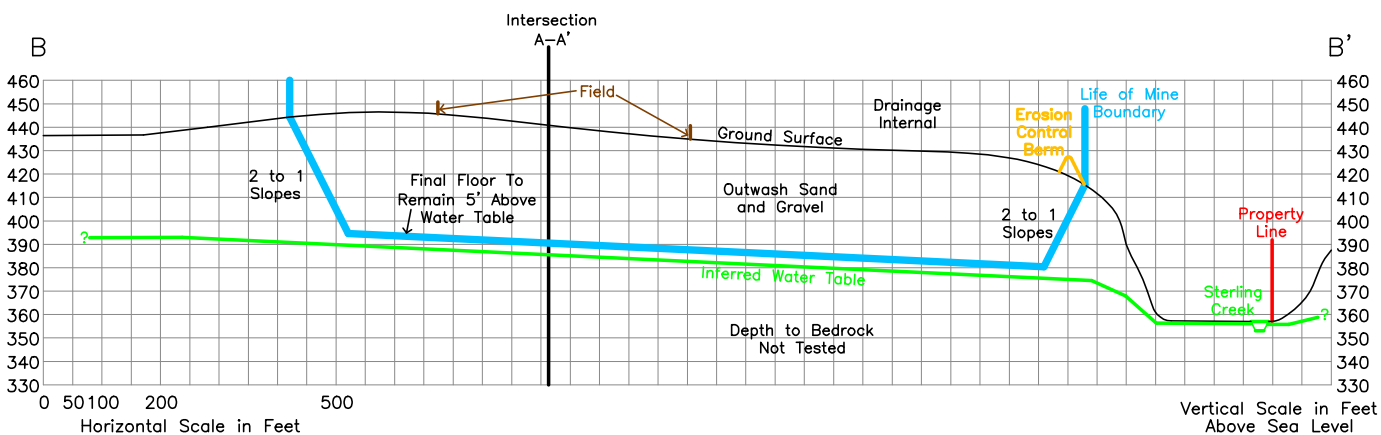
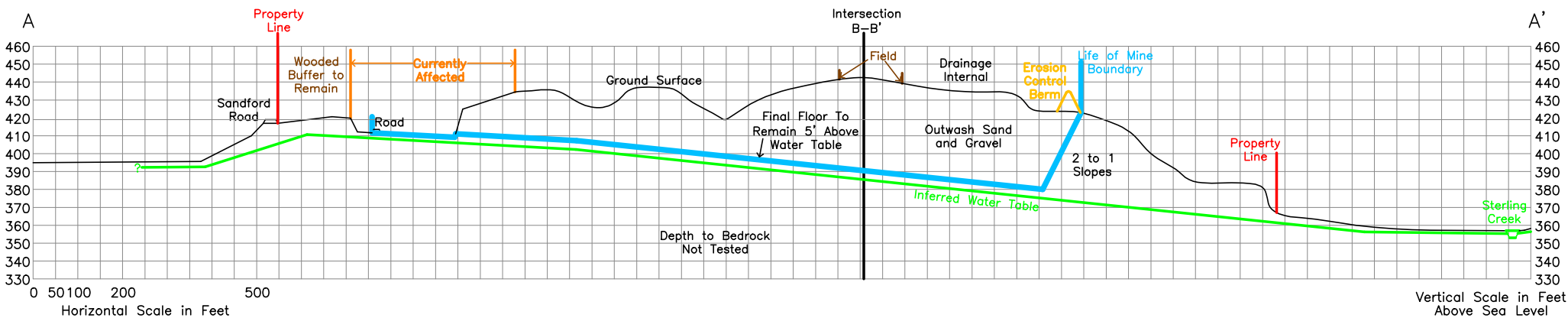
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- LEGEND
- Topographic Contour
 - Topographic Elevation
 - Vegetation Feature
 - Water Feature
 - Life of Mine
 - Surface Drainage



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Geologic Cross-Sections
 Christopher J. Construction, LLC.
 Martville Mine
 Cayuga County, Town of Sterling
 Fair Haven U.S.G.S. Topo. Quad.
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 April 2015